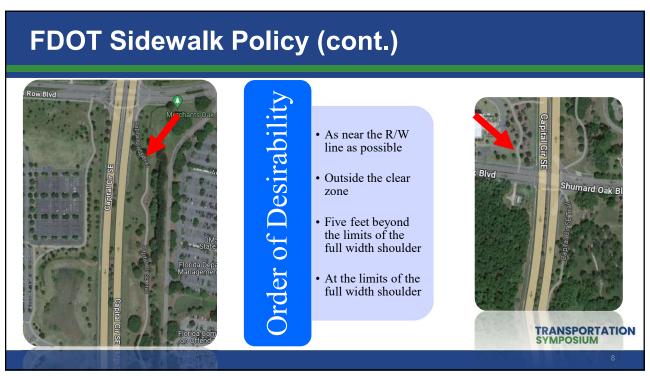
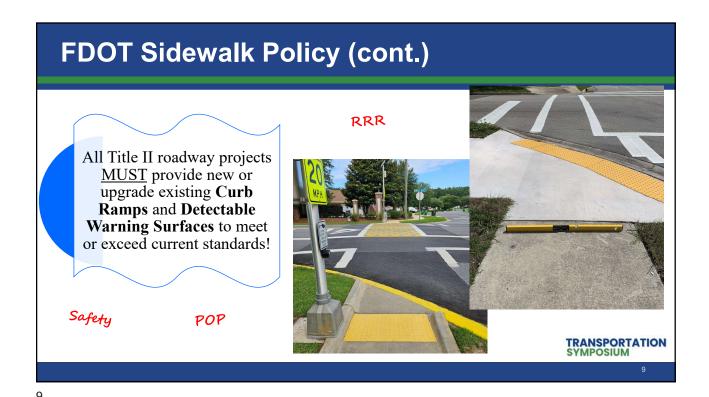




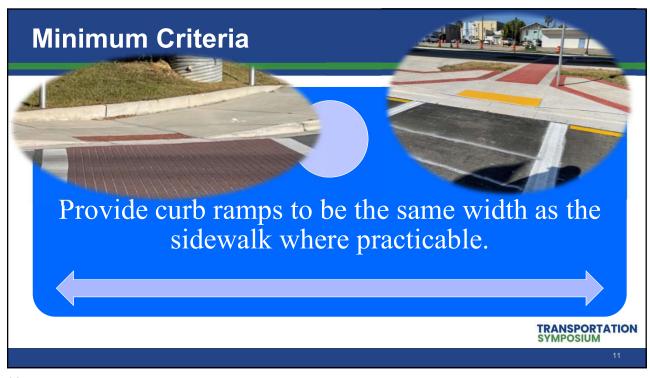


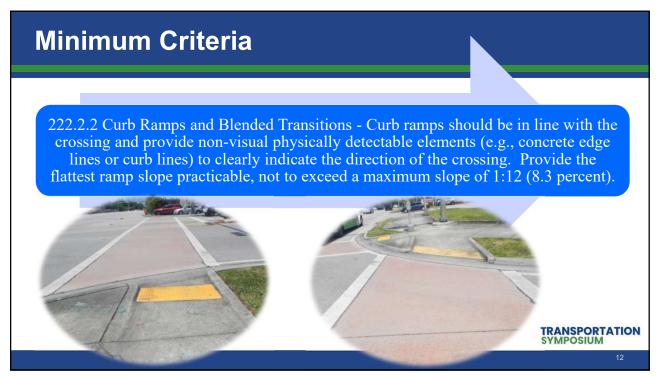
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Minimum Criteria Table 222.2.1 Standard Sidewalk Widths **Context Classification** Sidewalk Width (feet) Natural 5 5 Rural Standard C2T Rural Town 6 sidewalk Suburban 6 width varies Urban General 6 by context Urban Center 10 classification Urban Core C6 12 Notes: (1) For C2T, C3 and C4, sidewalk width may be increased up to 8 feet when the demand is demonstrated. (2) For C5 and C6, when standard sidewalk width cannot be attained, provide the greatest attainable width possible, but not less than 6 (3) For RRR projects, unaltered sidewalk with width 4 feet or greater may be retained within any context classification. (4) See FDM 260.2.2 for sidewalk width requirements on bridges. TION





Minimum Criteria



222.2.2 Curb Ramps and Blended Transitions - Provide a landing at all pedestrian pushbutton locations.

The landing must provide a clear area of 30 inches by 48 inches directly in front of the pedestrian pushbutton to allow persons using a wheeled mobility device to actuate the button while remaining stationary.

TRANSPORTATION SYMPOSIUM

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Minimum Criteria



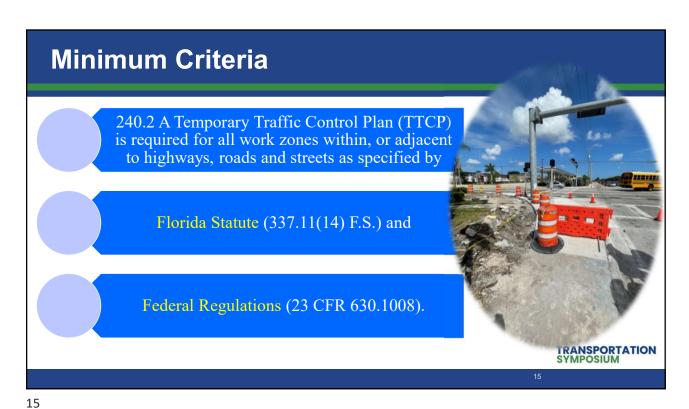
222.2.7 Pedestrian Signals - See FDM 232.6 for information on pedestrian signals.

Pedestrian detector assemblies and pedestrian control signals are detailed in the Standard Plans, Indexes 653-001 and 665-001.

Accessible Pedestrian Signals (APS) in FDM 232.6.1!

TRANSPORTATION

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FDOT D2 ADA QAR Lessons Learned

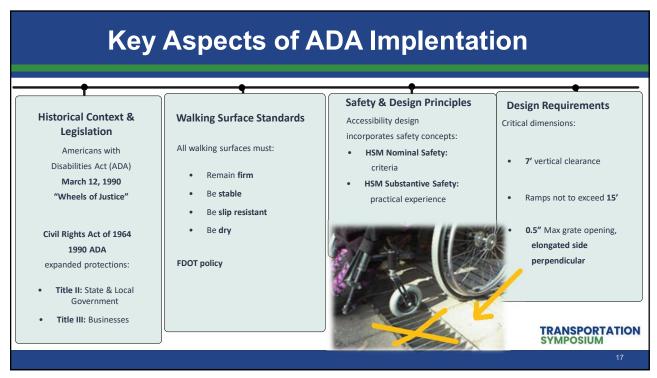
Overview of ADA compliance requirements, implementation challenges, and best practices

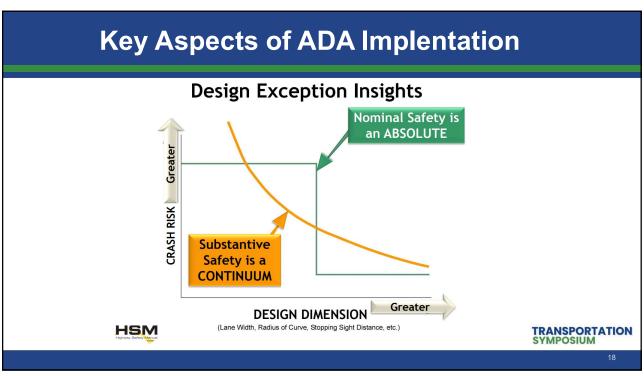


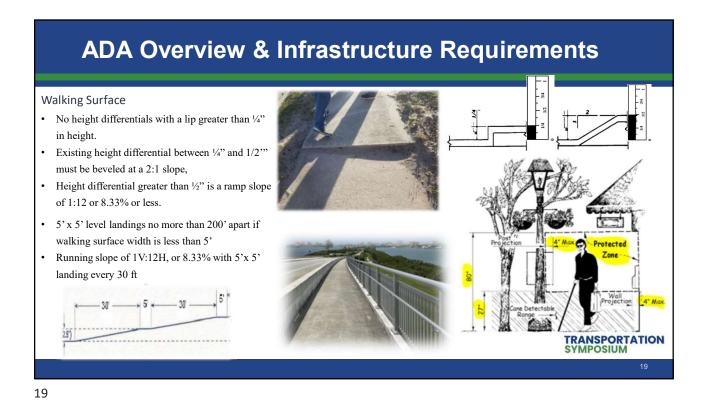
Belqis Majboor, PE, ME, CPM and Derek Dixon October 29, 2025

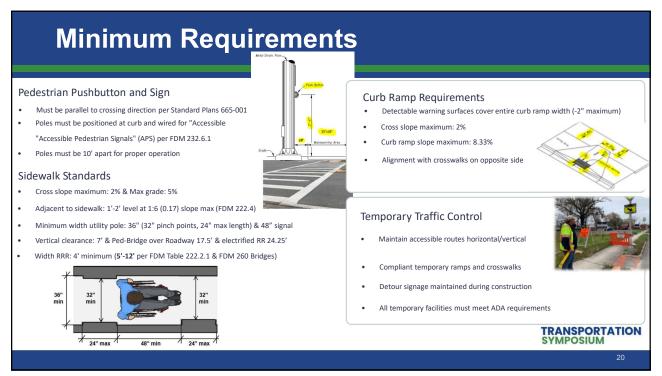
TRANSPORTATION SYMPOSIUM

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ADA Quality Assurance Review Report

The Quality Assurance Review (QAR) checks infrastructure projects for ADA compliance, identifying potential issues, and recommending corrective actions.

SUBJECT: Fiscal Year 2023/24 Americans with Disabilities Act (ADA)

Executive Summary

OAR field reviews were conducted, during the last week of February 2024, by the
Production Support Office of the Office of Design. Primary staff included Brad Bradley,
Ben Gerrell, and Daniel Eichler from the Central Office. Carey Shepherd from the
FHWA-FL Division in Tallahassee, and District 2 staff. We extend a special thanks to
Belgis Majbor and Derek Dixon for their amazing hospitality and conscientious
engagement during the full QAR process, including our on-site visit.

The primary focus of this review was the inclusion of Temporary Traffic Control Plans (TTCP) and accommodations for pedestrians. Compliance with general accessibility provisions (e.g., ped push buttons, curb ramps, and detectable warning surfaces) was also assessed as reflected in the FDOT Design Manual (FDM) and FDOT Standard Plans for Road and Bridge Construction (Standard Plans).

Overall, the district was found to be in general compliance with the accessibility requirements and criteria. Some opportunities for improvement are identified in this



Findings

- Per FDM 222.2.2, curb ramps should be in line with the crossing. Misaligned curb ramps were observed at numerous locations across the reviewed projects. This presents an opportunity for the district to better provide clear and effective tactile communication of the crossing direction for users who are visually impaired.
- Per FDM 232.6 and Standard Plans Index 665-001, Detail "A" and Note 2, Pushbuttons and Pedestrian Actuation Signs are required to be parallel to the crossing direction. (See also MUTCD 44.05 Pedestrian Detectors, paragraph 04.H). Non-compliant pedestrian pushbutton and sign orientation were generally observed within all the reviewed projects, many of which had both buttons mounted on a single pole.
- Per FDM 240.2 & 240.2.1.9, A Temporary Traffic Control Plan (TTCP) for pedestrians is required for all work zones within, or adjacent to highways, roads and streets as specified by Florida Statute and Federal regulations. Many cases were observed with inadequate provisions for pedestrians with disabilities.
- 4. Per FDM 222.3, install detectable warnings to cover the full width of the walking surface and 2 feet deep (in the direction of ped travel). Multiple installations of Detectable Warning Surfaces (DWS) were observed that did not provide the specified 2-foot depth. In some cases, the DWS was not installed over the full width of the walking surface or ramp.
- Per Standard Plans 522-002, Sheet 4 of 7, the DWS must be located within 5' of back of curb at the longest dimension. Locations were observed in which the DWS was located greater than 5' from back of curb.
- Per FDM 222.2.1.2, provide a minimum 7-foot vertical clearance over the entire walking surface. Locations were observed with vegetation overgrowth encroaching within the required 7-foot clearance. See also Maintenance Rating Program Handbook requirements for vertical clearance to vegetation.

Recommendations

- Pedestrian TTCP Please ensure EORs provide sufficient details in the plans along with appropriate standard Cuth Ramp (RR) callouts at each location for Contractors to install compliant accessible dements. Verify appropriate CEI oversight for as-installed conditions to match EOR's intent expressed in the plans.
- Pedestrian Pushbuttons Specify the orientation of pedestrian pushbuttons and signage, in the plans, to be parallel with the crossing direction. The use of separate poles for each direction of crossing is best practice for conventional ped features but a requirement when using Accessible Pedestrian Signals (APS) per FDM 232.6.1. 107 apart
- 10" apart 3. Cuts arms & Crosswalk Alamment.—Provide crosswalks and curb ramps with a tangent alignment —preferably with the shortest crossing distance. Provide ramp slopes and other non-visual, physically-detectable features (e.g., edge lines or curb returns) to clearly and effectively communicate the proper direction of the pedestriar crossing. This will aid users with aght impairment by providing detectable orientation and alignment cues.
- Detectable Warning Surfaces
 The district's plans review efforts should continue to include targeted attention to ensure functional DWS installations specific to individual site constraints and configurations. The DWS—as a valia safely elementmust be kept in functional condition through regular maintenance and replacement activities.

TRANSPORTATION SYMPOSIUM

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ADA QAR Lessons Learned: Key Findings

Curb Ramp Alignment
Detectable Warning Surface



Pushbutton Orientation Parallel to Crosswalk



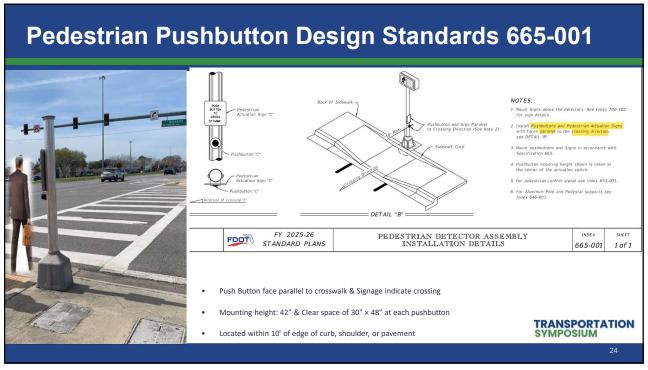
Temporary Traffic Control Access

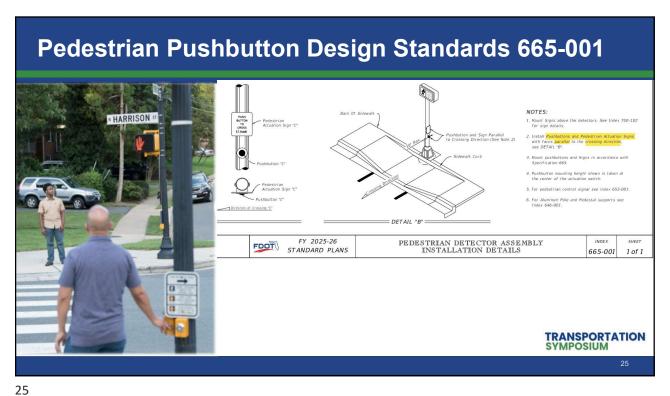


TRANSPORTATION SYMPOSIUM

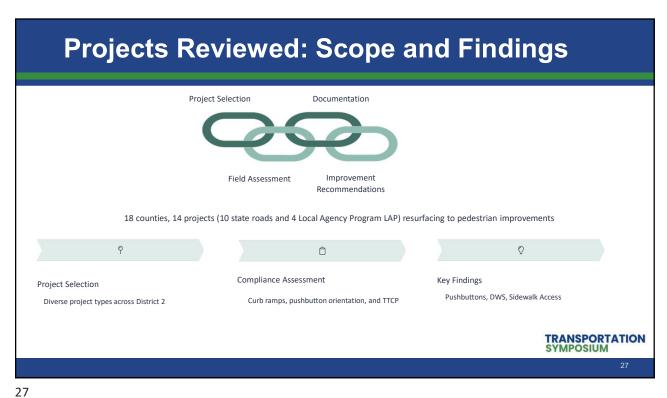
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US 1 Concrete Rehab: ADA Compliance

- When Curb Ramps and Sidewalks were realigned at US 1 & King St.,
 - Existing pedestrian push buttons were no longer compliant with 10" reach
 - With no approved APL solutions for the condition
 - The signal contractor fabricated a custom metal pipe extenders





TRANSPORTATION SYMPOSIUM

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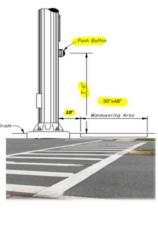
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Pedestrian Push Button Extender within 10" Reach



- Close-up view of metal pipe extender with threaded ends and couplers
- · Fabricated by signal contractor
- Pedestrian push button ADA compliance.





TRANSPORTATION SYMPOSIUM

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I-95 (Fuller Warren Bridge) Shared-Use Path





SYMPOSIUM

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I-95 (Fuller Warren Bridge) Shared-Use Path

- •Project Goal: I-10/I-95 operational improvements enhance safety and traffic flow.
- •**Key Feature:** Fuller Warren Shared Use Path connects Riverside and San Marco for pedestrians and bicyclists.
- •St. Johns River Crossing: 1st Interstate & 3rd non-vehicle pedestrian crossing over St. Johns River, joining Main St and Acosta.
- •High Usage: Over 14,000 monthly users.
- •Path Details: 4,654'long, 12'wide, with 2 scenic overlooks.
- •Access Points: Riverside Ave., Palm Ave., and behind Nemours Children's Hospital.
- •Ribbon Cutting 2023: Led by Caleb Prewitt, Special Olympics athlete medalist and trailblazer.
- •Cost: \$20 million investment in community mobility and safety.



TRANSPORTATION SYMPOSIUM

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I-95 (Fuller Warren Bridge) Shared-Use Path



Riverside Avenue Scenic loop access

TRANSPORTATION SYMPOSIUM

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FDOT D2 ADA QAR Lessons Learned

Belqis Mujtaba Majboor, PE, ME, CPM
District Quality Engineer, Pavement Design Engineer, E&O Engineer

belqis.majboor@dot.state.fl.us

Derek Dixon
Transportation Systems Coordinator
derek.dixon@dot.state.fl.us

TRANSPORTATION SYMPOSIUM





D3 ADA QAR

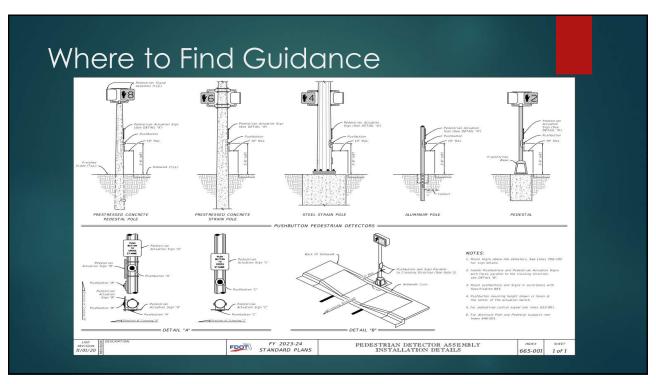
- ▶ 13 Projects Reviewed in Person
- ▶ 347 Sidewalk Segments Reviewed by Video Log (78.9 Miles)
- ▶ 100 Sites Verified by District 3 Staff

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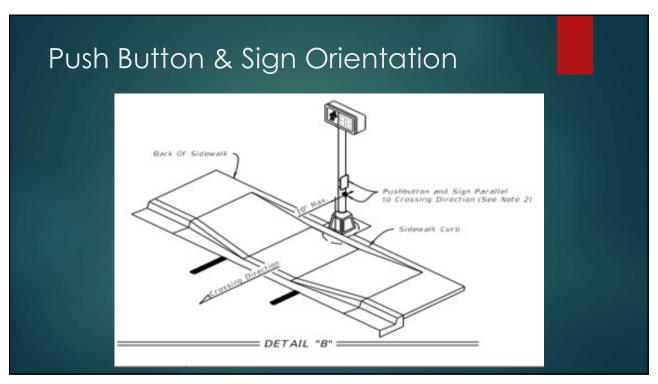
Biggest Issues

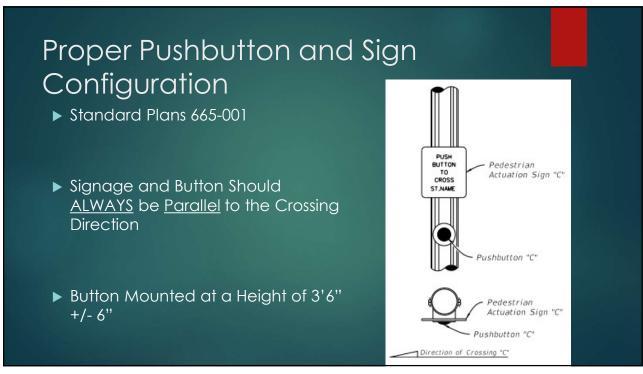
- ▶ Pedestrian Signal Button and Signage Averaged 81.8% Compliant
 - ▶ Issues Include Orientation and Reaching Distance
- ▶ Detectable Warning Surface Averaged 81.6% Compliant
 - ▶ Issues included Mat Deterioration, Placement, and Coverage

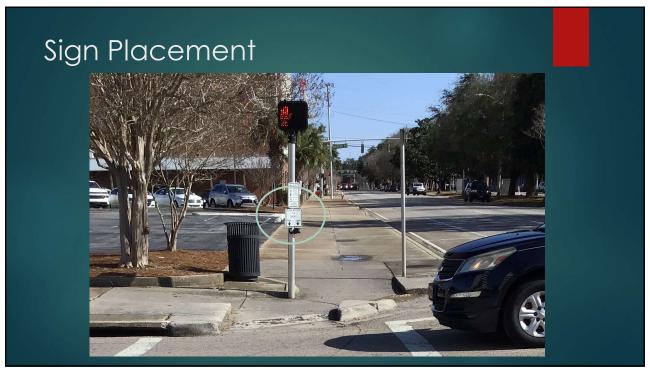


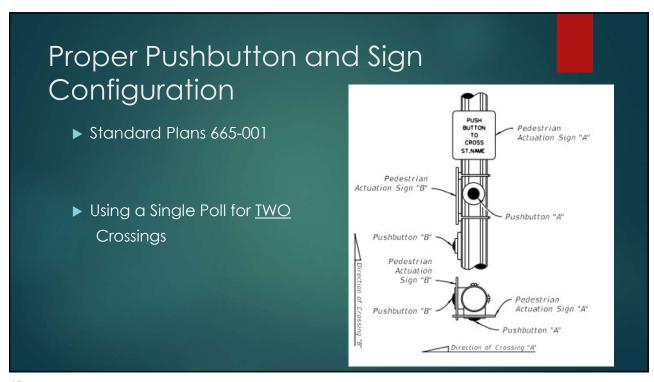






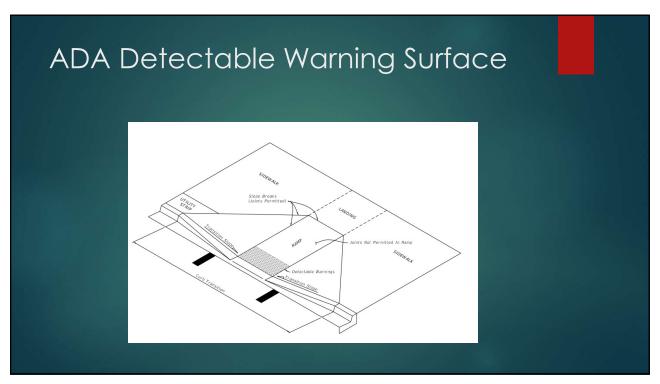


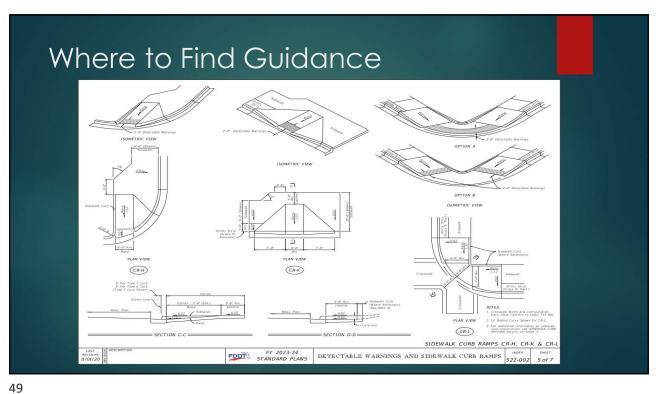


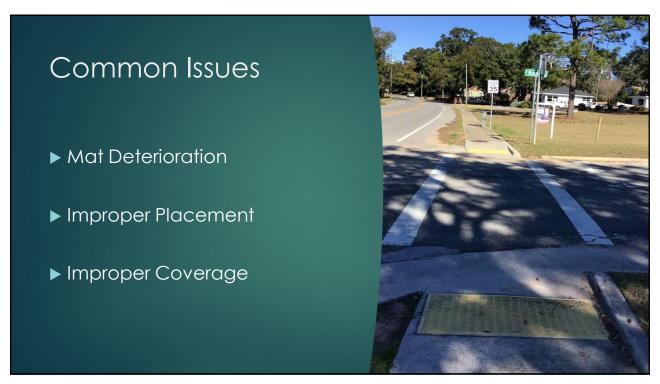


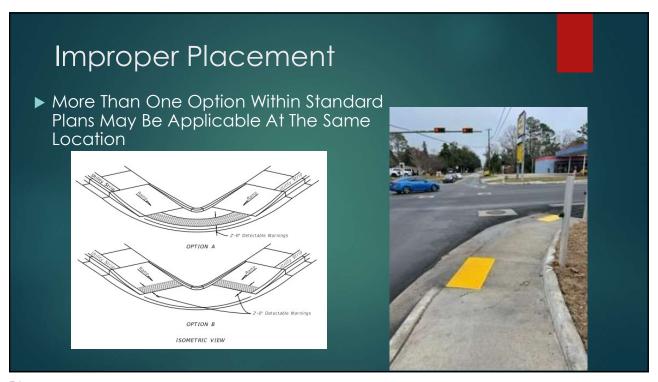


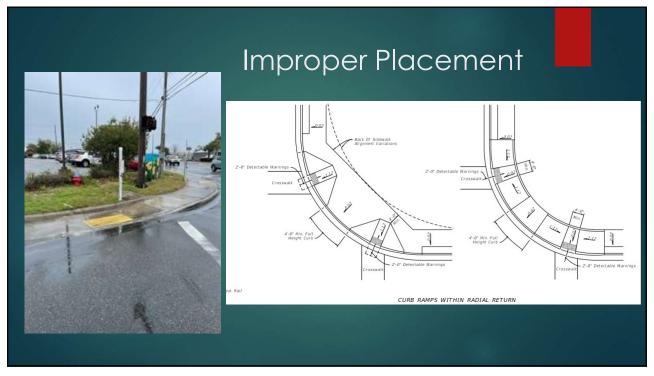












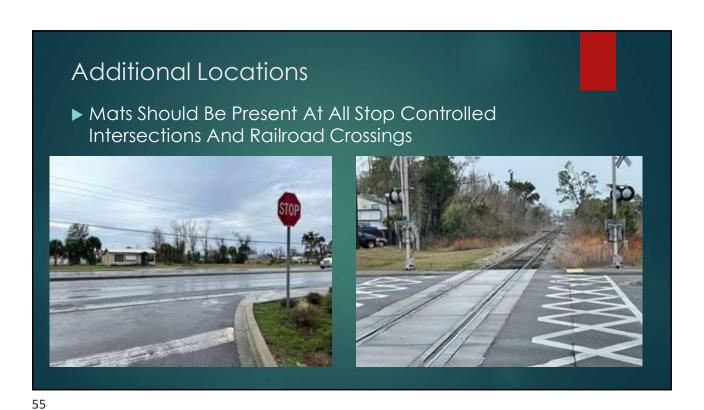


Improper Coverage

Mats Must Not Be More Than 5 Feet From The Leading Edge of The Sidewalk

OPTION B

ISOMETRIC VIEW



October 28-29, 2025
Orlando, FL

FY 24/25 AMERICANS WITH DISABILITIES
QUALITY ASSURANCE REVIEW – D5

Loreen Bobo, PE | District 5 Safety Administrator
Kari Pucker, PE, PTOE, RSP₁ | Gresham Smith

Introduction

QAR meetings & field reviews conducted week of October 28, 2024

CO Office of Design requested D5 projects completed FY 24

FOCUS

- Inclusion of TTC details
- Compliance with accessibility per FDM & Standard Plans

TRANSPORTATION SYMPOSIUM

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Introduction

QAR OBSERVATIONS

- 1. Lack of details in TTCP
- 2. Non-compliant pushbuttons & sign orientation
- 3. Absence of detectable warning surfaces

TRANSPORTATION SYMPOSIUM

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Observation 1

Lack of details in TTCP for contractor to:

- I. Accurately bid
- II. Meet EOR intent





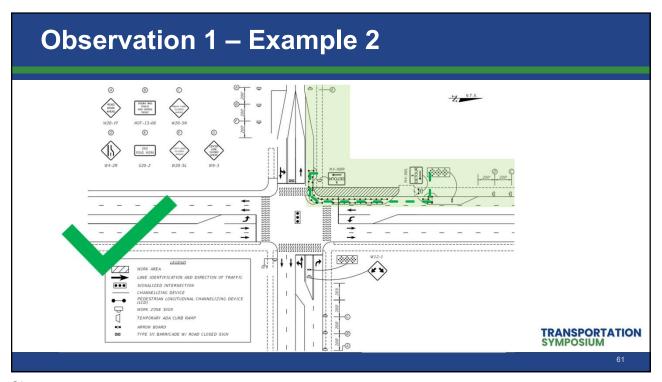


TRANSPORTATION SYMPOSIUM

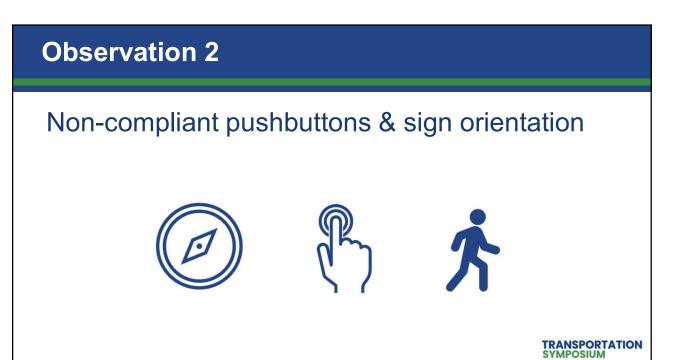
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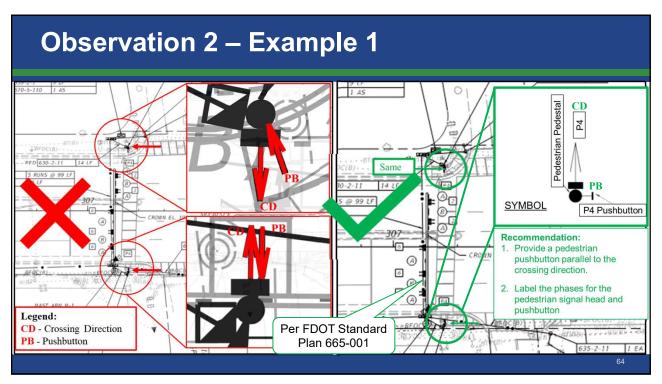
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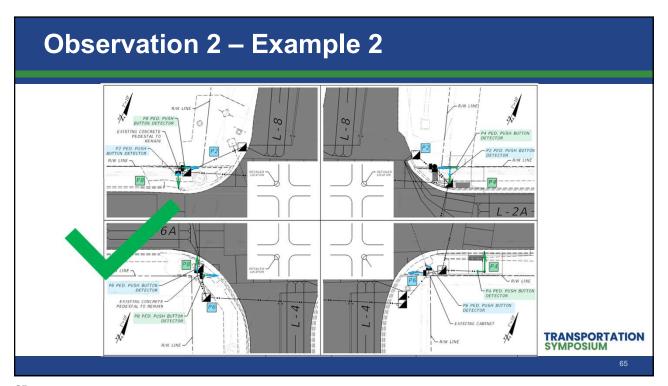
Observation 1 — Example 1 1. No sidewalk closed sign 2. No ped detour 3. No crosswalk details 4. No curb detail 4. No curb detail 1. Add proper signs 2. Provide ped detour 3. Provide crosswalk detail 4. Add curb detail 1. Add curb detail 1. Add curb detail 1. Add proper signs 2. Provide ped detour 3. Provide ped detour 3. Provide ped detour 3. Provide ped detour 3. Provide ped detour 4. Add curb detail 4. Add curb detail

















Observation 3

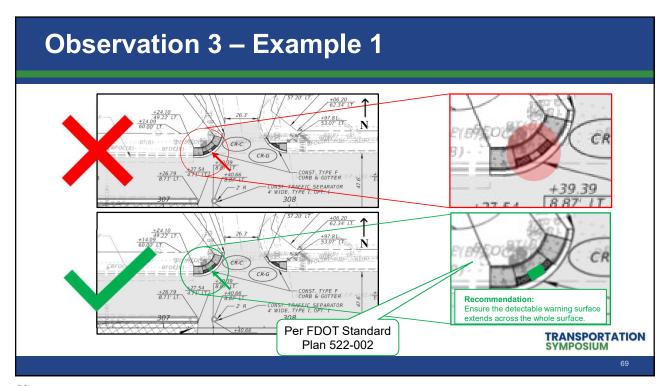
Installation of Detectable Warning Surfaces

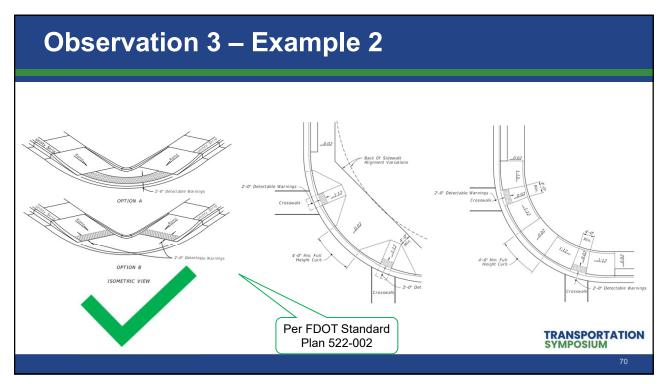
- I. Missing
- II. Not extending full width of the walking surface & 2' deep

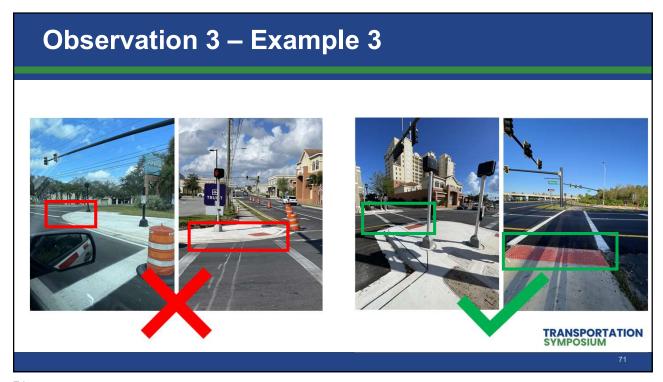


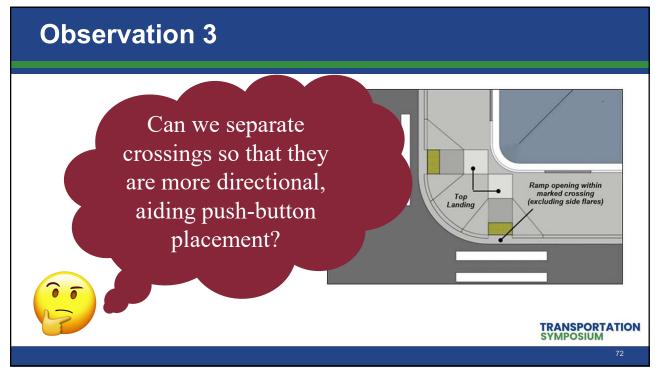
RANSPORTATION

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- Brad Bradley, FDOT State ADA Coordinator 850-414-4295
- Derek Dixon, D2 Bike/Ped & ADA Coordinator 904-360-5653
- Belqis Majboor, D2 District Quality Engineer 386-961-7444
- Zeke Hayes, D3 Bike/Ped & ADA Coordinator 850-330-1487
- Loreen Bobo, D5 Safety Administrator 386-943-5446
- Kari Pucker, D5 Safety Consultant 904-328-2105

QUESTIONS???

TRANSPORTATION SYMPOSIUM

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